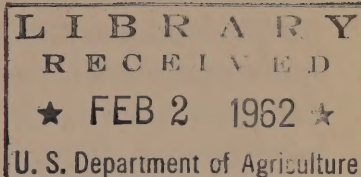


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VEGETABLES

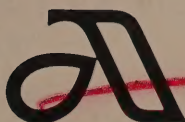
for

PROCESSING

PROCUREMENT SECTION
GENERAL SERIAL RECORDS

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Asgrow Seed Company

New Haven 2, Connecticut

VEGETABLES

PROCESSING

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VEGETABLES for PROCESSING



FOREWORD

These descriptions are intended to help food processors and their management, field, and plant personnel in planning their vegetable crop programs. The information used in preparing these descriptions comes from records kept by Asgrow plant scientists at Asgrow plant breeding stations located in the principal vegetable crop regions of the U.S., supplemented, where necessary by descriptive material from outside sources, including government experiment stations and other seed producers.

Figures and other data given for maturity, size, and other characteristics represent averages. They may be expected to vary according to cultural practices, growing conditions, and other environmental factors and should be used only for comparing varieties within the same species. We have tried to be accurate and consistent in these descriptions and will consider it a kindness if discrepancies or errors are called to our attention.

In considering the reaction of vegetable varieties to plant diseases and growing conditions which may affect the crop, it is important to define such terms as "immunity," "resistance," "tolerance," etc. These terms, as used in **Vegetable Varieties for Processing**, are defined as follows:

Immune. Not subject to damage or injury from attack by a particular disease-causing organism or virus or by a particular insect or from certain conditions of soil or climate, either because of the physical nature of the plant itself or because of some reaction within the plant which prevents the injurious agent from causing an adverse effect.

Susceptible. Easily subject to injury or damage from attack by a particular disease-causing organism or a particular insect or from adverse soil or climatic conditions.

VEGETABLES for PROCESSING

Resistant. Capable, to some degree, of enduring an attack by a particular insect or disease-causing agent, or able to withstand certain adverse conditions of growth. Resistant (or slightly susceptible) varieties may be expected to survive and produce an acceptable crop under all but the most severe infestation or other specified adverse conditions, though yield and quality may be somewhat affected.

Tolerant (or moderately susceptible). Capable of surviving and making an acceptable crop under moderately adverse conditions, but becoming affected if conditions favorable to the disease or insect continue for a long period. A tolerant variety is usually easier to protect from damage by a particular disease, insect, or adverse conditions of soil or climate than a susceptible variety is when standard control measures or cultural practices are used.

It is also important to recognize that disease organisms themselves are "subject to change without notice." They may appear to vary in their intensity from year to year, and they are capable of developing as new and variant forms, which may cause losses in varieties previously considered to be resistant. Statements about disease resistance are based, where possible on observations by Asgrow plant scientists. For varieties developed by government experiment stations and other seed producers we have in some cases relied on the originator's own reports.



Asgrow Seed Company

New Haven 2, Connecticut

BEANS Bush Snap / Green Pod

BOUNTIFUL

The standard flat-podded variety for processing. Very early and widely adapted, but used mainly along the Eastern Seaboard, where it is also grown for shipping. The pods are relatively light green and of fair to good quality, becoming fibrous relatively early. Primarily suited for French-style pack, because of its flattened pod shape. Relatively light seed color makes it acceptable either for freezing or canning.

Maturity: 47 days.

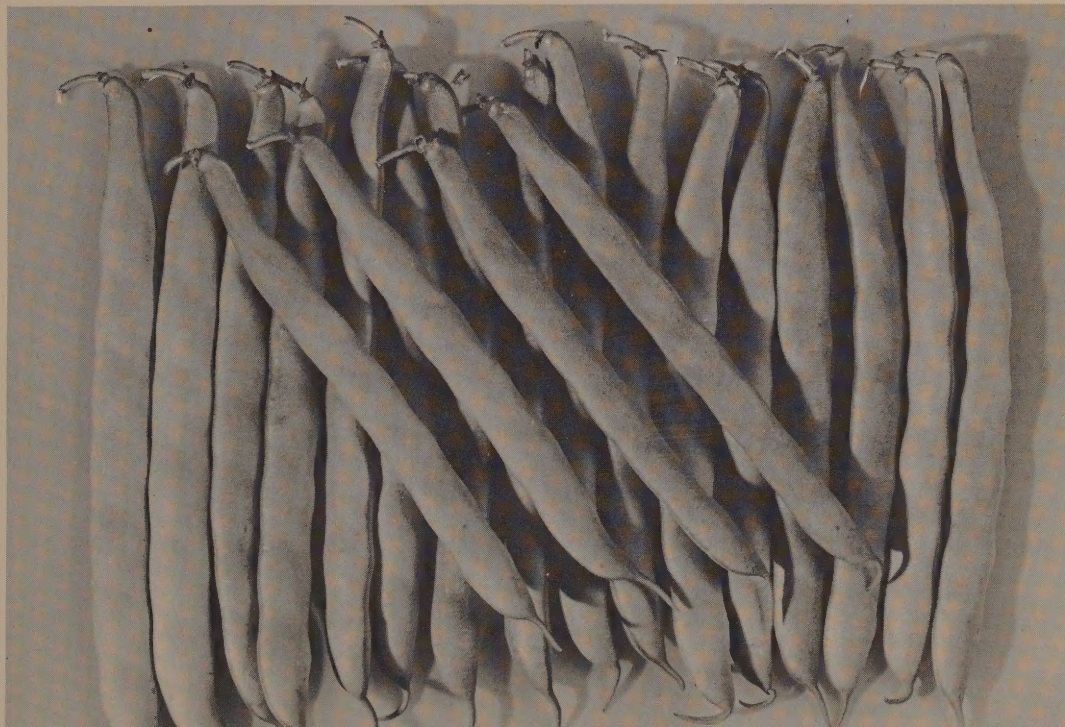
Plant: Medium large, vigorous, productive.

Pods: 6.5 x .5 in.; light green, flat, becoming bumpy at advanced maturity.

Seeds: Straw-colored; 1,040 per lb.



See Foreword for explanation of data and terms



BEANS

Bush Snap / Green Pod

BUSH BLUE LAKE

A new and distinctly different variety for canning and freezing developed by Asgrow to combine the pod characteristics of Stringless Blue Lake pole varieties with the dwarf growing habit of snap bush varieties. Plants vigorous, with considerable branching; productive, maturing about five days after Tendercrop; resistant to Bean Virus 1 and N.Y. 15.

The pods are dark green, of medium length, and very low in fiber content at processing stages, with distinctively crisp, meaty texture prevailing into larger sieve sizes. Young pods have characteristic "bumpiness" of Stringless Blue Lake, becoming smooth at 3 and 4 sieve sizes. Seed development is very slow. Repeated evaluations after processing indicate that texture, flavor, and color are, for all practical purposes, indistinguishable from Stringless Blue Lake pole varieties.

Preliminary commercial evaluations indicate that Bush Blue Lake is widely adapted and can be used in the principal snap bean areas of the Upper Middle West and the Northeast. It can be harvested satisfactorily by machine.

Maturity: 58 days.

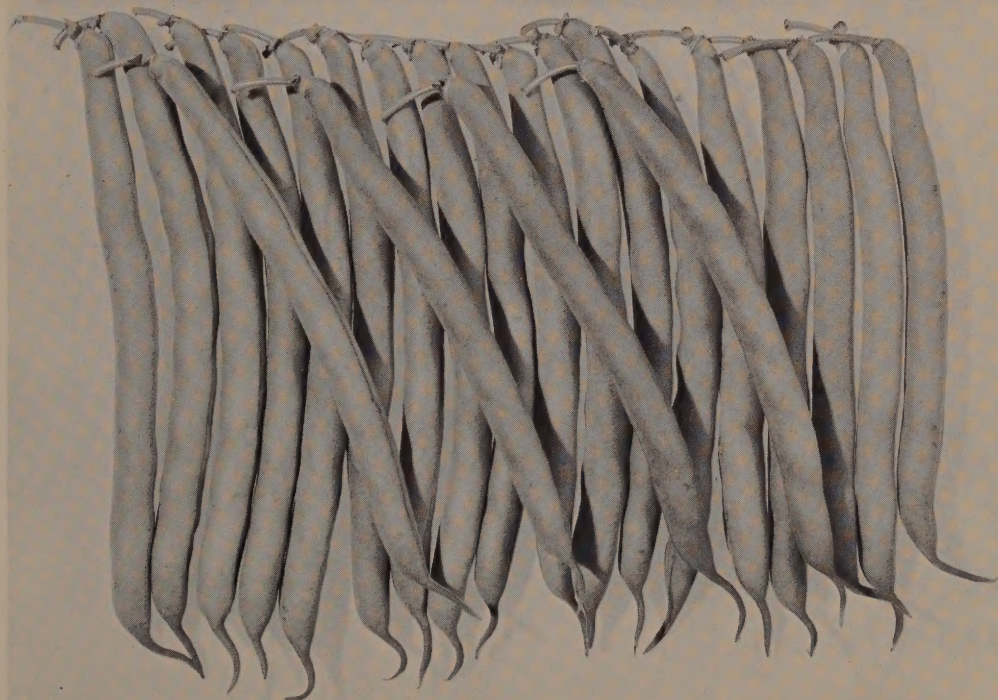
Plant: Large, upright, vigorous productive, setting pods throughout.

Pods: 5.2 x .35 in.; round, becoming crease-backed.

Seeds: White; 1,760 per lb.



See Foreword for explanation of data and terms



BEANS

Bush Snap / Green Pod

HARVESTER

An exceptionally heavy yielding, white-seeded variety developed by Asgrow to provide maximum tonnage of high quality raw product, using mechanical harvesters.

The plants are large, vigorous, upright, setting an unusually high percentage of pods at one time and high in the plant, in good position for mechanical picking, maturing approximately with Tendercrop. Harvester is resistant to Bean Virus 1 and N.Y. 15 and has shown tolerance to at least one strain of rust in certain areas. It is widely adapted, having made record yields under a wide range of conditions, from Southern Florida to New York State and the Upper Middle West.

The pods are medium long, of bright green color, and very smooth and straight, even under stress conditions. When harvested at 75 to 90 percent 4 sieve and under, Harvester is capable of exceptionally heavy yields of pods grading fancy as canned, whole, or cut beans. Not recommended for processing at larger sieve sizes. Best results have come with seed rates at 70 to 90 lb. per acre on 36-inch rows.

Maturity: 53 days.

Plant: Large, vigorous, upright, prolific.

Pods: 6 x .33 in.; bright medium green; straight, smooth, thick oval to round.

Seeds: White; 1,610 per lb.

See Foreword for explanation of data and terms



asgrow

BEANS

Bush Snap / Green Pod

HARVESTER C

A new and distinct white-seeded variety, developed by Asgrow specifically for canning, retaining the plant type, yield, and other desirable characteristics of Harvester, but producing pods that are somewhat rounder and thicker, with less development of fiber in the larger sieve sizes.

Plants vigorous, erect, and very productive, setting pods in good concentration and position for machine picking; resistant to Bean Virus 1 and N.Y. 15. Pods medium long, round, straight, medium green, smooth; of excellent quality for whole bean pack in smaller sizes and French-style pack in larger sizes. Very attractive after processing.

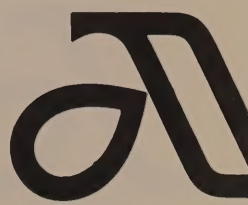
Maturity: 51 days.

Plant: Large, upright, productive.

Pods: 5.5 x .35 in.; medium green, round, straight, smooth.

Seeds: White; 1,680 per lb.

See Foreword for explanation of data and terms



asgrow

BEANS

Bush Snap / Green Pod

RESISTANT TENDERGREEN

A standard variety widely used for freezing. The plants are vigorous and very productive, making good yields of raw product for high quality frozen pack, either whole, cut, or French-style. Adapted for mechanical picking.

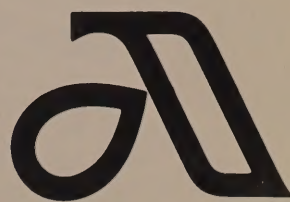
Maturity: 50 days.

Plant: Medium large, upright; resistant to Bean Virus 1 and N.Y. 15.

Pods: 6 x .35 in.; medium dark green; round, nearly straight.

Seeds: Brownish purple, tan mottling; 1,300 per lb.

See Foreword for explanation of data and terms



asgrow

BEANS

Bush Snap / Green Pod

TENDERCROP

A high-yielding, virus-resistant Tendergreen type, developed by the U.S.D.A., primarily suited for freezing, either as whole, cut, or French-style pack. Plants vigorous, resistant to Bean Virus 1, N.Y. 15 and pod mottle virus; very productive, setting pods mostly in upper part, in good position and in concentrated maturity for mechanical harvesting. Pods of good color, shape, and texture for processing, resulting in a high quality frozen pack.

Maturity: 53 days.

Plant: Medium large, upright, well branched.

Pods: 5.5 x .37 in.; round to slightly crease-backed; smooth, relatively straight; medium green color.

Seeds: Brown and purple; 1,500 per lb.



See Foreword for explanation of data and terms



BEANS

Bush Snap / Green Pod

TENDERLONG 15

Developed by Asgrow as one of the first varieties in the Tendergreen class with multiple disease-resistance. Widely used for its good yields of high quality raw product for freezing, either as whole, cut, or French-style pack. The vines are medium large, upright, vigorous, productive. Pods are medium dark green, meaty, and of good texture and flavor after processing.

Maturity: 50 days.

Plant: Medium large, upright; resistant to Bean Virus 1, N.Y. 15, and pod mottle virus; tolerant to halo blight and at least one strain of powdery mildew.

Pods: 6.2 x .4 in.; round to deep oval; smooth, relatively straight; medium green.

Seeds: Buff, with near black mottling; 1,200 per lb.



See Foreword for explanation of data and terms





BEANS

Bush Snap / Green Pod

TOPCROP

A widely adapted variety used for freezing. Plants relatively short and somewhat spreading, with much branching. Vigorous and very productive, setting pods in good concentration for maturity, but relatively low in the plant for mechanical harvesting. Resistant to Bean Virus 1 and N.Y. 15. Pods generally round and smooth, nearly straight, medium green in color; of good quality for processing, where a relatively thick-podded variety is wanted.

Maturity: 50 days.

Plant: Medium large, vigorous, somewhat spreading, prolific.

Pods: 5.5 x .42 in.; round to slight crease-back; slightly curved; smooth.

Seeds: Dark brown, tan mottle; 1,200 per lb.

See Foreword for explanation of data and terms



asgrow

BEANS

Bush Snap / Green Pod

TOPMOST

Developed by Asgrow as a white-seeded variety to meet the requirements of canned food processors for a Topcrop-type with white seeds. Plants relatively short, somewhat spreading, vigorous, and very productive, setting a high percentage of pods near the crown and in concentrated maturity for mechanical harvesting; resistant to Bean Virus 1 and N.Y. 15. Topmost is widely adapted, having performed well from the Rio Grande Valley to the Upper Midwest and the Northeast. The pods are very slow in fiber development, making this variety of particular interest for the processor who wants a heavy tonnage of high quality raw product in the larger sizes. Particularly well suited for both French-style and pureed pack.

Maturity: 50 days.

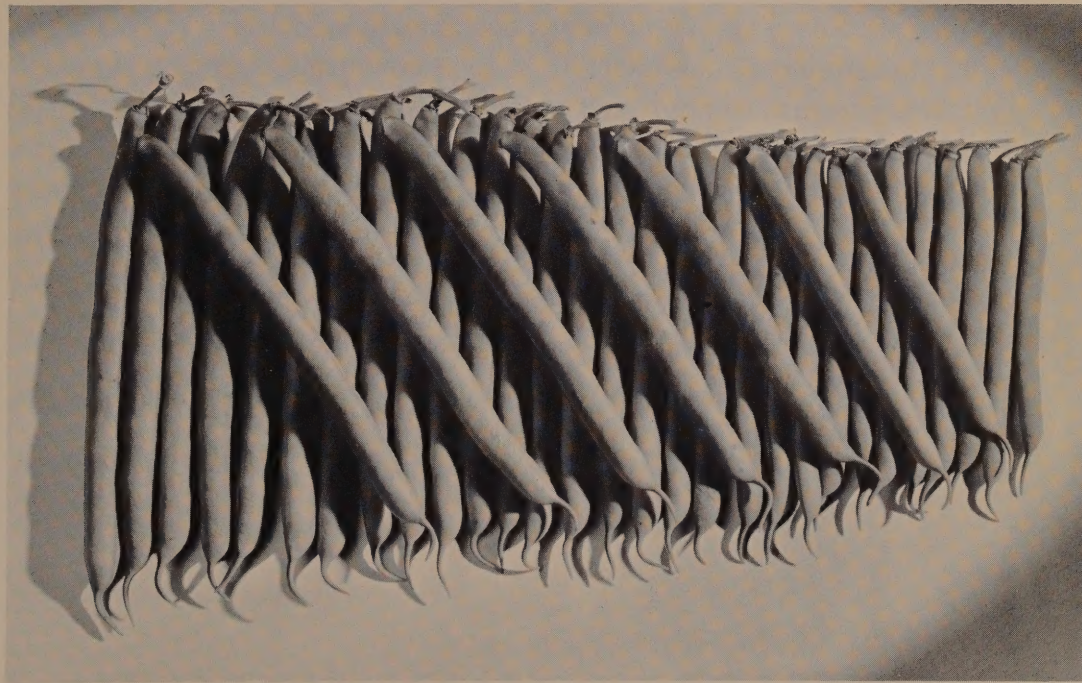
Plant: Medium height, somewhat spreading, vigorous, prolific.

Pods: 6 x .37 in.; round to somewhat crease-backed; nearly straight; medium green.

Seeds: White; 1,280 per lb.



See Foreword for explanation of data and terms



BEANS

Bush Snap / Green Pod



WHITE SEEDED TENDERGREEN

Developed by F. H. Woodruff and Sons to combine white seed color with the desirable processing characteristics of Tendergreen. Plants medium large, vigorous, and productive; of acceptable type for mechanical harvesting. Pods are round, somewhat curved, medium dark green, meaty, firm and relatively slow in seed development; of good quality for cut and French-style pack. Not resistant to Bean Virus 1 or N.Y. 15.

Maturity: 50 days.

Plant: Medium large; upright, relatively open, somewhat irregular.

Pods: 5.5 x .37 in.; round, somewhat curved; medium dark green.

Seeds: White; 1,600 per lb.

See Foreword for explanation of data and terms

BEANS

Bush Snap / Wax Pod

KINGHORN WAX

Introduced by F. H. Woodruff & Sons. The most widely used wax-podded variety for processing, adapted both for canning and freezing because of its white seed color. The plants are medium large, erect, vigorous, productive; adapted for machine harvesting. Pods of excellent color, texture, and flavor after processing.

Maturity: 53 days.

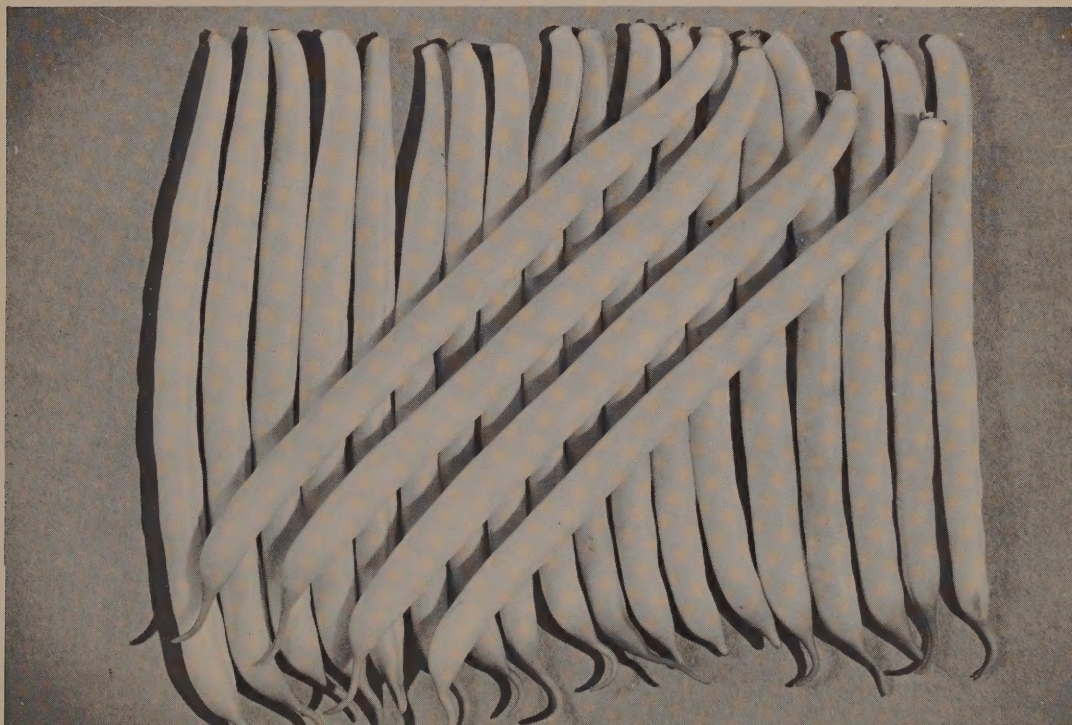
Plant: Medium large, erect, vigorous, productive.

Pods: 5.7 x .35 in.; bright yellow, round, slightly curved, meaty, brittle.

Seeds: White; 1,300 per lb.



See Foreword for explanation of data and terms



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BEANS

Pole Snap, Green Pod

STRINGLESS BLUE LAKE 231

An important variety for main crop, developed by Asgrow. Plants have good seedling emergence and vigor; heavy, vigorous growth, and good climbing ability, producing good yields of high quality raw product. Stringless Blue Lake 231 is resistant to Bean Virus 1 and N.Y. 15 and, under conditions prevailing in the Pacific Northwest, has shown good tolerance to at least one important strain of rust. Pods medium long, relatively straight, nearly round, dark green, with lively green color after blanching; meaty; firm, with slow seed development.

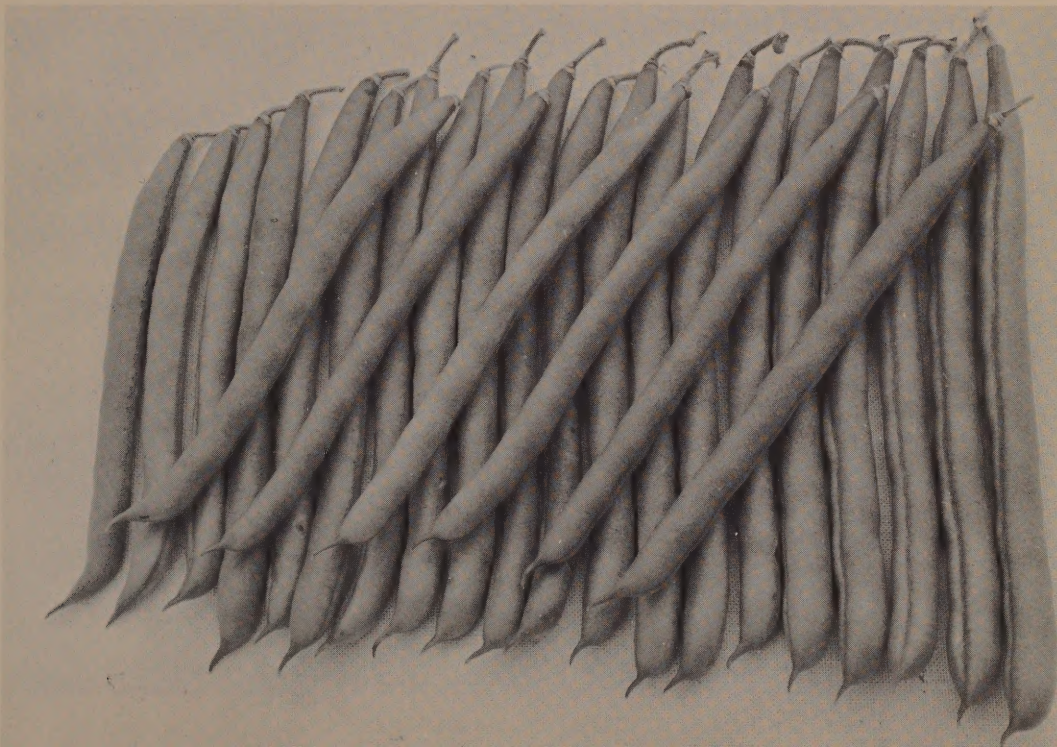
Maturity: 72 days.

Plant: Vigorous, productive.

Pods: 6.75 inches long; slender.

Seeds: White; 1,600 per lb.

See Foreword for explanation of data and terms



THE TRAIL OF THE BULL

The trail of the bull is a story of the life of a man who has lived in the heart of the West. He has seen the great changes that have come over the country, and he has lived through the hard times that have come to the people. He has seen the great cities grow up, and he has seen the great highways built. He has seen the great changes that have come over the country, and he has lived through the hard times that have come to the people. He has seen the great cities grow up, and he has seen the great highways built.



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BEANS

Bush Lima

CLARK'S BUSH

A leading baby lima variety for processing, developed by Asgrow; particularly well suited for regions not subject to extremely high temperatures. Plants compact, upright, bushy; setting good yields well concentrated in the crown under favorable conditions. Pods contain three to four small beans with an attractive bright green color after processing.

Maturity: 67 days.

Plant: Dark green, compact, erect.

Pods: 2.75 x .75 in.; medium light green.

Shelled beans: Small, relatively flat, pale green, with white seed coat and green cotyledons, retaining green color well past processing stage.

Seeds: Green to white; 1,120 per lb.



See Foreword for explanation of data and terms





BEANS

Bush Lima



EARLY THOROGREEN

A widely adapted, early maturing baby lima variety for processing. Plants relatively small, very productive, with pods borne throughout the plant, setting well, even under adverse conditions. Pods contain three to four small beans processing to attractive green color.

Maturity: 66 days.

Plant: Dark green, compact, similar to Clark's Bush.

Pods: 2.75 x .75 in.; medium light green.

Shelled beans: Small, relatively flat; pale green, with white seed coat and green cotyledons, retaining color well past processing stage.

Seeds: Green to white; 1,120 per lb.

BEANS

Bush Lima



FORDHOOK ASGROW CONCENTRATED

The chief large-seeded Fordhook type used for processing in Pacific Coastal areas. Plants compact and very productive, bearing a heavy set of pods, concentrated in maturity and in position in the crown of the plant. Shelled beans are thick-flat and of excellent quality, both for flavor and bright green color after processing.

Maturity: 75 days.

Plant: Relatively small, vigorous, productive.

Pods: 3.75 x 1 in.

Shelled beans: Medium large, near-round, thick, meaty, uniformly pale green, with greenish seed coat and green cotyledons, becoming cream-colored after passing prime maturity for processing.

Seeds: White, tinged with green; 480 per lb.

See Foreword for explanation of data and terms

NOTE: Constant re-selection of parent seed stocks is required to maintain uniform green color of processed beans. Without such a maintenance program the percentage of white-skinned — or “blue” — beans may be expected to increase with each succeeding generation after re-selection. Continued reproduction from by-passed crops should be avoided.

BEANS

Bush Lima

FORDHOOK 242

A widely adapted variety for processing, used primarily in the eastern U.S., where it has shown relatively good tolerance to high temperatures and dry weather. Plants vigorous and productive, with relatively high capacity for setting pods under adverse summer conditions. Shelled beans are thick-flat and of typical Fordhook quality, both for flavor and bright green color after processing.

Maturity: 78 days.

Plant: Medium large, vigorous, somewhat spreading under ideal conditions.

Pods: 3.5 x 1 in.

Shelled beans: Large, thick, meaty, light green, with pale green skin and green cotyledons which become cream-colored as they pass prime maturity for processing.

Seeds: Greenish cream to light green; 480 per lb.

See Foreword for explanation of data and terms




asgrow

BEANS

Bush Lima



THAXTER

A green-seeded baby lima variety, developed by the U.S.D.A., highly resistant to one strain of downy mildew. Thaxter is nearly identical to Clark's Bush and Early Thorogreen in size and shape of pods and shelled beans, with somewhat more vigorous plant. Widely adapted, producing yields equal to standard varieties under normal conditions and significantly heavier yielding under mildew conditions. Processed quality is approximately equal to Clark's Bush and Early Thorogreen.

Maturity: 70 days.

Plant: Medium large; vigorous, resistant to downy mildew.

Pods: 2.75 x .75 in.; medium light green.

Shelled beans: Small, relatively flat, pale green with white seed coat and green cotyledons, holding color well past processing stage.

Seeds: Green to white; 1,280 per lb.

SWEET CORN HYBRIDS for PROCESSING



Descriptions of hybrid sweet corn varieties are based on information accumulated for a number of years at Asgrow stations in New England, southern New Jersey, Florida, Indiana, and Wisconsin. The figures therefore represent averages, and may be expected to vary, depending on the environment.

Days to maturity are based on Steinlite readings of 72-76 percent moisture, representing "whole kernel" maturity.

Plant Height is measured to the tassel tip. **Ear Height** is measured to the ear-bearing node of the top ear. **Wilt-resistance** refers to **bacterium Stewartii**, commonly known as bacterial wilt. Degrees of resistance have been explained in the **Foreword**.

Silk color refers to interior silk, before processing. Silk with any pigmentation, other than pale yellowish green, whether in the style or stigma, so as to be distinguishable against a white background, is rated "colored." "Colorless" means that the silk is practically indistinct against a white background.

Row-count figures are averages and may be expected to vary, depending on environmental conditions.

CORN, Yellow Hybrid

ASGROW GOLDEN 60

A vigorous, high-yielding midseason hybrid, tolerant to heat and dry weather, with good resistance to bacterial wilt and smut, and with some tolerance to Northern leaf blight. Ears very large, thick, nearly cylindrical, and well filled with medium narrow, deep kernels of lustrous yellow color, well suited for cream-style pack.

Maturity: 87 days.

Ear shape: Cylindrical.

Wilt-resistance: High.

Ear length: 8.5 in.

Plant height: 85 in.

Ear diameter: 1.85 in.

Ear height: 30 in.

Interior silk: Colored.

Kernels: Medium narrow, deep.

Rows:	14	—	16	—	18
	20%		60%		20%



See Foreword for explanation of data and terms



CORN, Yellow Hybrid



DEEP GOLD

A high-yielding, deep-kerneled hybrid for processing, developed by F. H. Woodruff & Sons, and well suited for either whole kernel or cream-style pack. The plants have moderate resistance to bacterial wilt and are tolerant to smut, with good vigor and heavy yielding potential when seeded to produce a plant population of 14,000 to 15,000 per acre. The ears are very thick and somewhat tapered, though not excessively; well filled with 16 to 20 rows of exceptionally deep and narrow kernels lustrous, bright yellow color, yielding an unusually high cut-off per gross ton, with excellent quality for processing.

Maturity: 87 days.

Wilt-resistance: Fair.

Plant height: 90 in.

Ear height: 30 in.

Kernels: Very deep, very narrow; lustrous, bright yellow.

Ear shape: Tapered cylinder.

Ear length: 7.5 in.

Ear diameter: 2.0 in.

Interior silk: Colorless.

Rows:	16	—	18	—	20
	10%		30%		60%

CORN, Yellow Hybrid

EARLY HYBRID 0144

A productive, high quality, early maturing hybrid for processing, developed by F. H. Woodruff & Sons for Northern areas and well suited for extending the processing season. Maturity is about the same as for Carmelcross, but yield and quality are significantly better. Plants vigorous, with adequate tolerance to bacterial wilt for Northern areas. Ears of good size, with white inner silk and tender kernels of average depth.

Maturity: 74 days.

Ear shape: Cylindrical.

Wilt-resistance: Fair.

Ear length: 6.5 in.

Plant height: 66 in.

Ear diameter: 1.5 in.

Ear height: 16 in.

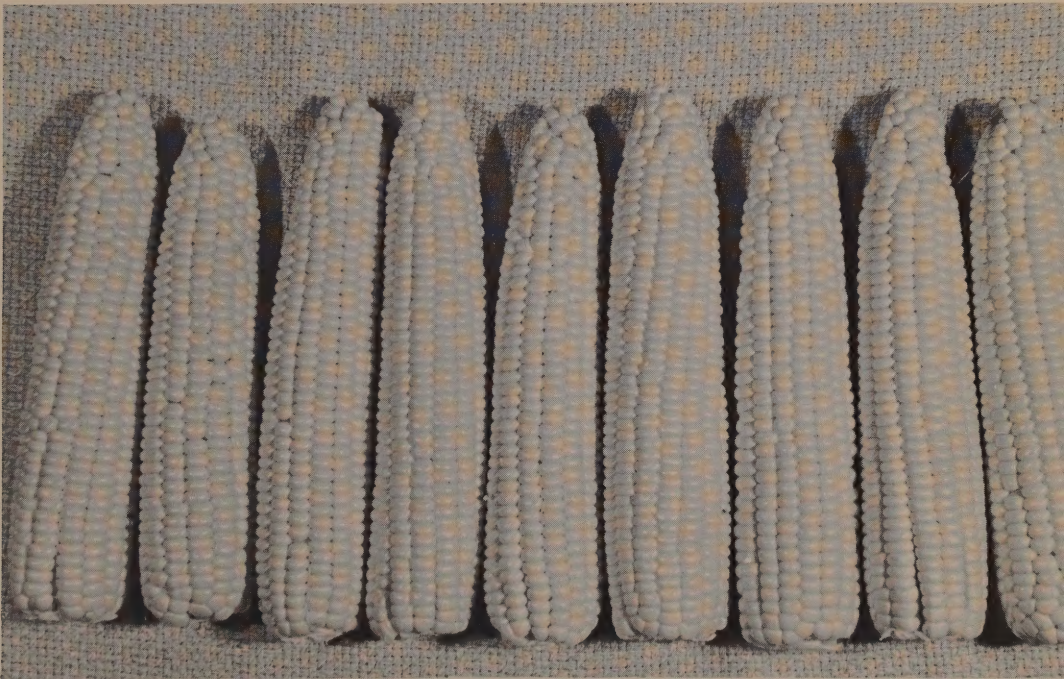
Interior silk: Colorless.

Kernels: Medium wide, medium deep.

Rows:	12	—	14	—	16
	55%		25%		20%



See Foreword for explanation of data and terms



CORN, Yellow Hybrid

GOLDEN CROSS BANTAM

A widely adapted hybrid, for many years a standard of comparison for yield and quality, but now largely replaced by higher yielding, deeper-kerneled types. Plants vigorous, productive, with moderate resistance to bacterial wilt. Ears medium large, well filled with medium wide, medium deep kernels of excellent flavor, texture, and rich yellow color.

Maturity: 86 days.

Ear shape: Cylindrical.

Wilt-resistance: Moderate.

Ear length: 7.5 in.

Plant height: 74 in.

Ear diameter: 1.65 in.

Ear height: 20 in.

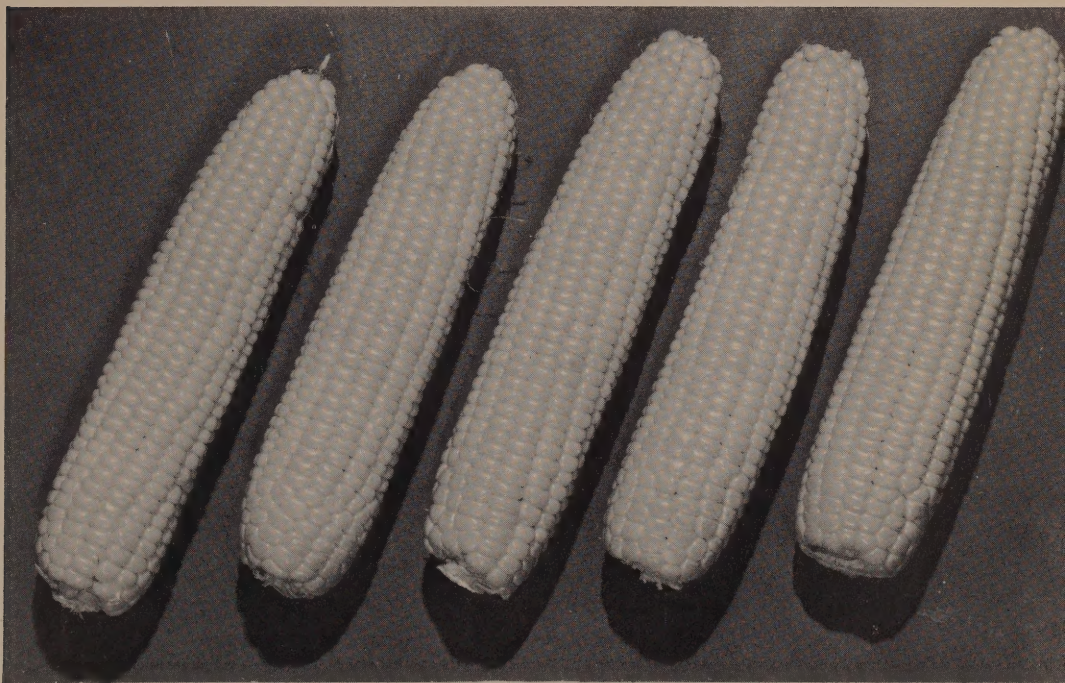
Interior silk: Colored.

Kernels: Medium wide, medium deep.

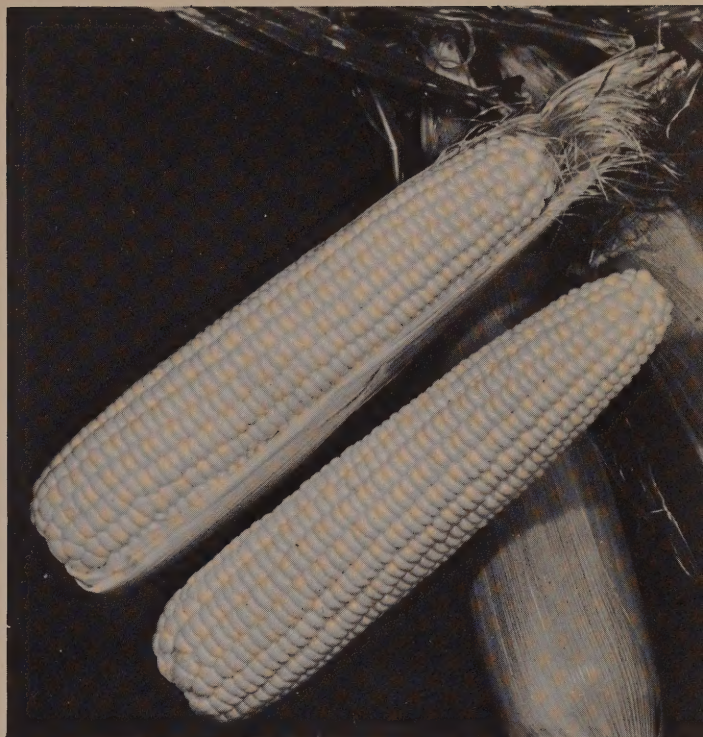
Rows:	10	—	12	—	14
	18%		75%		7%



See Foreword for explanation of data and terms



CORN, Yellow Hybrid



GOLDEN HYBRID 2057

A large-eared mid-season hybrid, developed by F. H. Woodruff & Sons, primarily for areas of the Middle Atlantic States and Midwest, where high temperatures and drought often limit yields in other hybrids. Plants tall, vigorous, tillerless, with good resistance to bacterial wilt. Ears large, heavy, well filled with light yellow kernels of medium width and depth, of satisfactory quality for canning or freezing.

Maturity: 88 days.

Ear shape: Cylindrical.

Wilt-resistance: Good.

Ear length: 8-9 in.

Plant height: 96 in.

Ear diameter: 2.0 in.

Ear height: 34 in.

Interior silk: Colored.

Kernels: Medium wide; medium deep; light yellow.

Rows:	14	—	16	—	18
	15%		60%		25%

CORN, Yellow Hybrid

MERIT

A main-season hybrid for canning and freezing, developed by Asgrow to produce a heavy tonnage of attractive, high quality kernels for whole kernel and cream-style pack. Plants large, vigorous, with very few tillers and with good resistance to bacterial wilt and good tolerance to drought. The ears are thick, heavy, somewhat tapered, and well filled with 14 to 20 rows of very deep, narrow kernels of bright yellow color, giving a heavy cut-off of attractive quality for processing.

Maturity: 87 days.

Ear shape: Tapered cylinder.

Wilt-resistance: Good. **Ear length:** 8 in.

Plant height: 84 in. **Ear diameter:** 2 in.

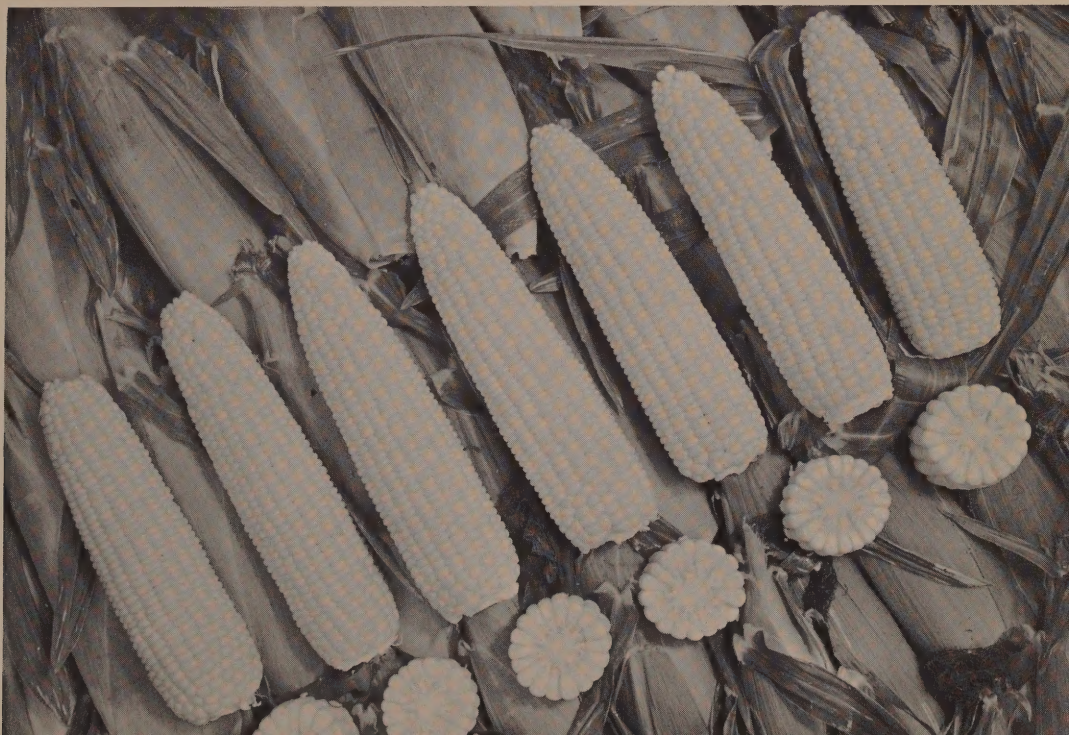
Ear height: 30 in. **Interior silk:** Colored.

Kernels: Narrow, very deep; bright yellow.

Rows:	14	—	16	—	18	—	20.
	10%		35%		40%		15%



See Foreword for explanation of data and terms



CORN, Yellow Hybrid



VICTORY GOLDEN

A leading hybrid for processing, developed by F. H. Woodruff & Sons; widely accepted as the standard of comparison for dependable yields of high quality corn for whole kernel and cream-style. The plants are large, vigorous and productive, with some tolerance to bacterial wilt. The ears are large, slightly tapered, and well filled with medium small, sweet, tender kernels; very attractive in appearance and of excellent quality for processing, holding well in the field after prime processing stage has been reached.

Maturity: 88 days.

Wilt-resistance: Fair.

Plant height: 90 in.

Ear height: 30 in.

Kernels: Medium narrow, medium deep; lustrous yellow.

Ear shape: Tapered at tip.

Ear length: 8 in.

Ear diameter: 1.75 in.

Interior silk: Colorless.

Rows:	12	—	14	—	16	—	18
	15%		30%		45%		10%

CORN, White Hybrid

COGENT, ILLINOIS NO. 13

The leading hybrid of Country Gentleman, or Shoepeg, type for processing, either as cut kernel or cream-style, preferred for its high cut-off of excellent quality kernels. The plants are sturdy and vigorous, with good resistance to bacterial wilt. The ears are of medium length and thick, with narrow, deep, irregularly rowed kernels of excellent processing quality.

Maturity: 94 days.

Ear shape: Slightly

Wilt-resistance: Good.

tapered cylinder.

Plant height: 84 in.

Ear length: 7.25 in.

Ear height: 28-30 in.

Ear diameter: 2.0 in.

Interior silk: Colorless.

Kernels: White shoepeg; deep, narrow.

Rows: Irregular.



See Foreword for explanation of data and terms



PEAS for PROCESSING



FOREWORD

The information given for pea varieties is based chiefly on observations made at the Asgrow Research Center, Twin Falls, Idaho, supplemented by material from trials conducted by the Asgrow Research Department in southern New Jersey and Wisconsin. Every effort has been made to maintain the highest possible levels of accuracy and consistency in preparing these descriptions, but they are of course subject to limitations, including the following:

1. Data for plant height, pod length, number of pods, numbers of peas per pod, etc., are affected by climatic conditions and will vary.
2. Figures for maturity and sieve sizes are based on Tenderometer readings of 95 to 100. They represent averages over a period of years and may be expected to vary with the season, location, or particular environmental conditions under which the crop is grown.
3. Heat units are derived from a base temperature of 40° F. and reflect conditions prevailing at Twin Falls, Idaho. These figures will be so variable for each variety, from area to area and from season to season, that they are significant only in indicating relative differences between varieties. As such they may be helpful in determining how to spread plantings and in estimating first harvest.
4. Seeds per pound are averages only and vary considerably, depending on conditions under which the seed crop was grown. They are given only as an aid in planning seed requirements. The Asgrow Quality Control Department does obtain accurate figures for each lot of Asgrow pea seed, and these are given on the analysis tag attached to each container of seed shipped to processors.

PEAS for canning, smooth-seeded

ALASKA

For many years the standard of comparison in the smooth-seeded, light-skinned class for processing. Widely adapted and widely used for first-early canning. The vines are indeterminate, slender, light green, wilt-resistant, and very uniform in maturity.

Maturity: 57 days.

Heat units: 1,200.

Plant height: 28 in.

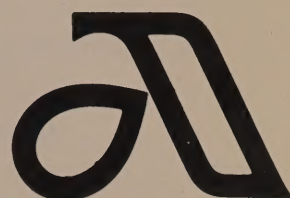
Pods: 2.65 in.; single, blunt, light green, round, straight; 6-8 small peas.

Seeds: 2,240 per lb.

Approximate sieve size distribution at 95-100 Tenderometer:

1	—	2	—	3	—	4	—	5	—	6	—	7	—	8	—	Avg.
13%		33%		37%		16%		1%								2.59

See Foreword for explanation of data and terms



asgrow

PEAS for canning, smooth-seeded



ALASKA 7

A high-yielding, small-berried Alaska type, developed by Asgrow to produce a heavy tonnage of high quality peas in the smallest sizes, free from the defects which have limited the acceptability of some other Alaska types. Extensive trials in the principal pea-growing areas suggest that Alaska 7 is capable of heavy yields under a wide range of conditions. Vines indeterminate but relatively short; wilt-resistant; characteristically double-flowered, setting a high percentage of double pods under favorable conditions.

Maturity: 57 days.

Heat units: 1,200.

Plant height: 26 in.

Pods: 2.65 in.; double; blunt, light green, round, straight; 6-8 small peas.

Seeds: 3,120 per lb.

Approximate sieve size distribution at 95-100 Tenderometer:

1	—	2	—	3	—	4	—	5	—	6	—	7	—	8	—	Avg.
29%		31%		32%		8%										2.19

PEAS for canning, smooth-seeded



PIXIE

A distinctive variety in the Alaska group, developed by Asgrow to produce heavy yields of small-sized peas, including commercially significant percentages of No. 1's. Vines of Alaska type, but darker; wilt-resistant; very productive, making a high percentage of double pods under favorable conditions.

Maturity: 58 days.

Heat units: 1,220.

Plant height: 28 in.

Pods: 2.5 in.; double; light green, round, straight, slender, blunt; 6-8 very small peas.

Seeds: 2,800 per lb.

Approximate sieve size distribution at 95-100 Tenderometer:

1	—	2	—	3	—	4	—	5	—	6	—	7	—	8	—	Avg.
20%		35%		41%		4%										2.29

PEAS for canning, smooth-seeded

YUKON

Similar to Alaska in type and use, but slightly later; developed by Asgrow to provide a more vigorous plant type, with better tolerance to adverse conditions. Vines indeterminate, very productive; wilt-resistant. Pods similar to regular Alaska, but slightly larger, with slightly larger peas.

Maturity: 59 days.

Heat units: 1,240.

Plant height: 35 in.

Pods: 2.75 in.; single; straight, round, light green; 6-8 peas.

Seeds: 2,080 per lb.

Approximate sieve size distribution at 95-100 Tenderometer:

1	—	2	—	3	—	4	—	5	—	6	—	7	—	8	—	Avg.
13%		23%		28%		33%		3%								2.90

See Foreword for explanation of data and terms



asgrow

PEAS for canning, wrinkled-seeded

CANNER KING

A productive, large-berried canning variety of Early Perfection type, developed by Asgrow. Vines determinate, but more open than Perfection, with good tolerance to high temperatures; and with a proven capacity for excellent yields in the larger sieve sizes for a fancy-grade pack; wilt-resistant.

Maturity: 68 days.

Heat units: 1,500.

Plant height: 34 in.

Pods: 3.5 in.; slightly curved, single and double, blunt, medium green; 7-9 large peas.

Seeds: 1,600 per lb.

Approximate sieve size distribution at 95-100 Tenderometer:

1	—	2	—	3	—	4	—	5	—	6	—	7	—	8	—	Avg.
		2%		4%		8%		41%		35%		8%		2%		5.35

See Foreword for explanation of data and terms



PEAS for canning, wrinkled-seeded



CANNER PRINCE

A distinctive variety in the early midseason class, recently introduced by Asgrow, having the capacity for good yields concentrated in the smaller sizes, with good uniformity for a high quality, field-run pack. Vines determinate and vigorous, but not heavy; wilt-resistant. Canner Prince is well suited for areas where climate, moisture, and soil conditions may cause excessive growth in other varieties.

Maturity: 68 days.

Heat units: 1,500.

Plant height: 30 in.

Pods: 3 in.; slightly curved, blunt, with many doubles; 6-8 peas.

Seeds: 2,720 per lb.

Approximate sieve size distribution at 95-100 Tenderometer:

1	—	2	—	3	—	4	—	5	—	6	—	7	—	8	—	Avg.
12%		26%		28%		26%		8%								2.92

PEAS for canning, wrinkled-seeded



EARLY HARVEST

A standard variety in the early sweet class, developed by Asgrow and widely used for its ability to produce good yields of peas for a fancy-grade pack in the small to medium sizes. Vines indeterminate, slender, single-podded; wilt-resistant. Peas of relatively small size, with tender skins and excellent flavor.

Maturity: 61 days.

Heat units: 1,300.

Plant height: 32 in.

Pods: 2.75 in.; single; light green, plump, straight; 6-8 peas.

Seeds: 2,240 per lb.

Approximate sieve size distribution at 95-100 Tenderometer:

1	—	2	—	3	—	4	—	5	—	6	—	7	—	8	—	Avg.
6%		13%		16%		29%		32%		4%						3.80

See Foreword for explanation of data and terms

PEAS for canning, wrinkled-seeded

EARLY PERFECTION 3852

A high yielding, early midseason variety, introduced by F. H. Woodruff and Sons. Plants determinate, vigorous, and widely adapted, yielding a heavy tonnage of medium sized peas of excellent quality; wilt-resistant. Pods slightly curved, blunt, mostly doubles.

Maturity: 71 days.

Heat units: 1,600

Plant height: 36 in.

Pods: 3.25 in.; double; slightly curved, light green; 7-8 peas.

Seeds: 2,080 per lb.

Approximate sieve size distribution at 95-100 Tenderometer:

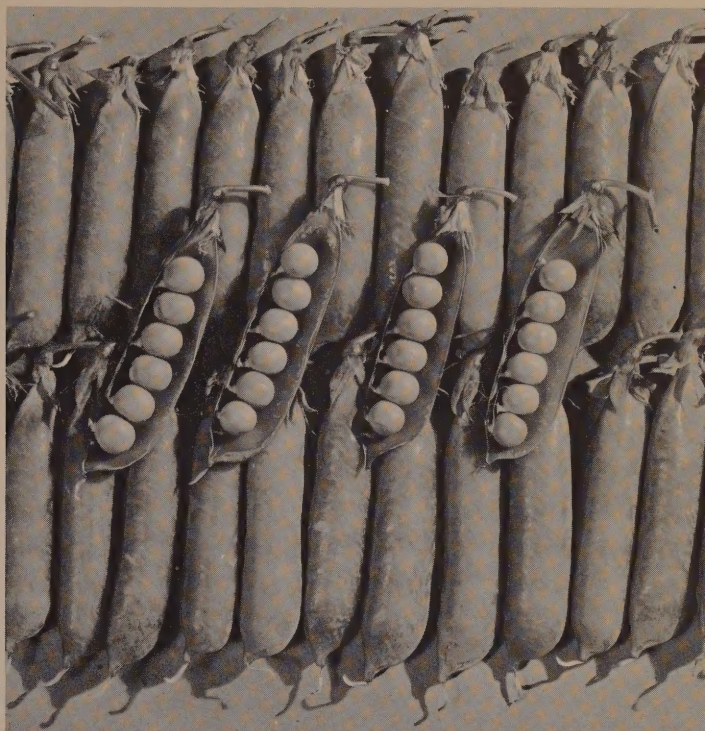
1	—	2	—	3	—	4	—	5	—	6	—	7	—	8	—	Avg.
11%		18%		22%		27%		22%								3.31

See Foreword for explanation of data and terms



asgrow

PEAS for canning, wrinkled-seeded



EARLY SWEET 11

A distinctive, exceptionally heavy-yielding, medium-berried variety in the first-early sweet group, developed by Asgrow to fill the need for a more vigorous and more productive early sweet type. Vines wilt-resistant; indeterminate, rather sparse, with excellent shelled-pea-to-vine-weight ratio; unusually productive, even when harvested at low Tenderometer readings, because of double-pod habit.

Maturity: 61 days.

Heat units: 1,300.

Plant height: 32 in.

Pods: 2.75 in.; medium light green, straight, plump, blunt; 5-7 peas.

Seeds: 2,720 per lb.

Approximate sieve size distribution at 95-100 Tenderometer:

1	—	2	—	3	—	4	—	5	—	6	—	7	—	8	—	Avg.
4%		8%		24%		38%		24%		2%						3.76

PEAS for canning, wrinkled-seeded

ELF

A productive, short-vined variety of early midseason maturity, developed by Asgrow to produce a high percentage of peas in the smaller sizes, with dwarf vines well suited for areas where ample soil moisture, high fertility, and cool temperatures cause excessive vine growth in most varieties. Plants determinate, relatively short, but vigorous and productive; wilt-resistant. Processed quality excellent.

Maturity: 65 days.

Heat units: 1,420.

Plant height: 26 in.

Pods: 3.25 in.; mostly double; straight, medium long; 6-8 peas.

Seeds: 2,720 per lb.

Approximate sieve size distribution at 95-100 Tenderometer:

1	—	2	—	3	—	4	—	5	—	6	—	7	—	8	—	Avg.
12%		26%		28%		26%		8%								2.92

See Foreword for explanation of data and terms




asgrow

PEAS for canning, wrinkled-seeded



GREEN BAY

A promising new variety in the Early Perfection class, developed by Asgrow. Widely adapted and somewhat earlier than other varieties with a higher yield potential and with a higher concentration of peas in the smaller sizes. Vines determinate, vigorous, stocky, wilt-resistant; highly double-podded. Pods well filled with small, attractive light green peas of high quality for processing.

Maturity: 67 days.

Heat units: 1,470.

Plant height: 34 in.

Pods: 3 in.; straight, blunt, double; 6-7 peas.

Seeds: 2,320 per lb.

Approximate sieve size distribution at 95-100 Tenderometer:

1	—	2	—	3	—	4	—	5	—	6	—	7	—	8	—	Avg.
15%		20%		29%		28%		8%								2.94

See Foreword for explanation of data and terms

PEAS for canning, wrinkled-seeded

LAUREL

A very early Perfection type, developed by Asgrow to follow Early Sweet types, producing good yields of Perfection size peas on relatively dwarf vines. Plants determinate and particularly well suited for areas where climate, soil moisture, and fertility may cause excessive growth in other varieties. Peas largely concentrated in the medium sizes and of good processing quality.

Maturity: 64 days.

Heat units: 1,400

Plant height: 24 in.

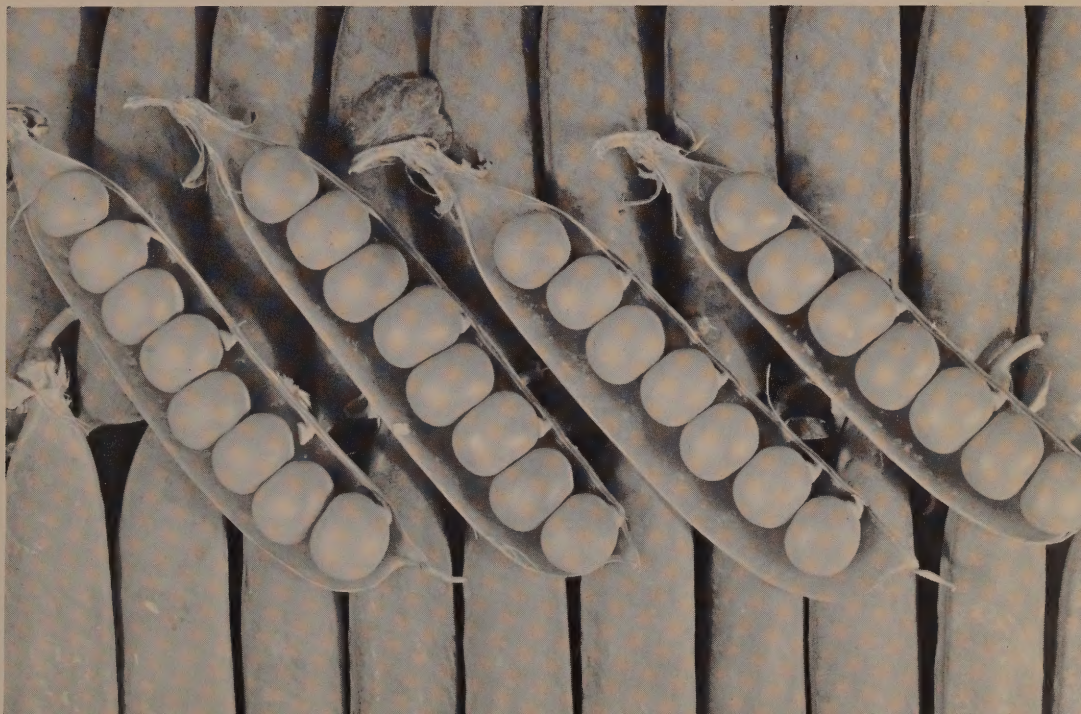
Pods: 3 in.; light green, straight, blunt, mostly double; 6-8 peas.

Seeds: 2,160 per lb.

Approximate sieve size distribution at 95-100 Tenderometer:

1	—	2	—	3	—	4	—	5	—	6	—	7	—	8	—	Avg.
6%		7%		20%		27%		37%		3%						3.91

See Foreword for explanation of data and terms



PEAS for canning, wrinkled-seeded



LOLO

A very hardy and productive early sweet variety, developed by Asgrow. Vines indeterminate, but largely double-podded, relatively tall; wilt-resistant, with relatively good tolerance to high temperature conditions. Very productive, making excellent yields of good quality peas well concentrated in the medium-small sieve sizes.

Maturity: 64 days.

Heat units: 1,400

Plant height: 38 in.

Pods: 3 in.; light green, straight, blunt; 6-8 medium-small peas of good quality.

Seeds: 2,150 per lb.

Approximate sieve size distribution at 95-100 Tenderometer:

1	—	2	—	3	—	4	—	5	—	6	—	7	—	8	—	Avg.
11%		22%		24%		28%		14%		1%						3.15

PEAS for canning

NUMBER 4683

A distinctive variety, combining characteristics of Alaska and Early Sweet types. Popular in Wisconsin and other northern areas, where it has been more dependable than Alaska in yields. Vines indeterminate, slender, light green, single-podded, resembling Alaska; wilt-resistant. Pods similar to Alaska in general appearance with 6-8 relatively small peas comparable to Alaska in color and size.

Maturity: 59 days

Heat units: 1,260.

Plant height: 28 in.

Pods: 2.75 in.; light green, straight, blunt; 6-8 peas.

Seeds: 2,240 per lb.; semi-wrinkled



Approximate sieve size distribution at 95-100 Tenderometer:

1	—	2	—	3	—	4	—	5	—	6	—	7	—	8	—	Avg.
12%		33%		25%		20%		10%								2.83

See Foreword for explanation of data and terms



PEAS for canning, wrinkled-seeded



PERFECTION

For many years a leading late-midseason variety for canning, and still the standard by which many varieties are compared, though now largely replaced in most areas by varieties derived from Perfection but earlier, or better suited for particular conditions, or market requirements, etc. Plants distinctive dark green, determinate, vigorous, heavy, double podded; widely adapted, producing good yields of good quality medium-sized peas under a wide range of conditions. The Asgrow strain is wilt-resistant.

Maturity: 73 days.

Heat units: 1,640.

Plant height: 30 in.

Pods: 3.25 in.; double, medium green, slightly curved, blunt; 7-9 peas.

Seeds: 2,080 per lb.

Approximate sieve size distribution at 95-100 Tenderometer:

1	—	2	—	3	—	4	—	5	—	6	—	7	—	8	—	Avg.
6%		10%		20%		37%		26%		1%						3.70

PEAS for canning, wrinkled-seeded

PRIDE

A distinctive variety in the Early Perfection group, developed by Asgrow and of particular interest for areas where adverse growing conditions severely limit the yielding capacity of other varieties in this class. Vines determinate, stocky, double-podded; resistant to wilt and tolerant to high temperatures, with significant resistance to aphids. Pods well filled with medium deep green, semi-round peas in the medium large sizes.

Maturity: 66 days.

Heat units: 1,460.

Plant height: 30 in.

Pods: 3.5 in.; double, straight, plump, dark green;
7-9 peas.

Seeds: 1,920 per lb.



Approximate sieve size distribution at 95-100 Tenderometer:

1	—	2	—	3	—	4	—	5	—	6	—	7	—	8	—	Avg.
		5%		11%		22%		46%		13%		3%				4.60

See Foreword for explanation of data and terms



PEAS for canning, wrinkled-seeded



RESISTANT EARLY PERFECTION 326

A leading variety in the Early Perfection class, developed by Asgrow. Widely adapted and widely accepted as the standard of comparison in this group for consistently heavy yields of medium-sized peas of superior quality for canning. Vines determinate, vigorous, prolific; resistant to wilt. Pods well filled with medium to medium-small sized, bright green peas of sweet flavor, tender texture and attractive color after processing, well suited for a fancy grade pack.

Maturity: 71 days.

Heat units: 1,600.

Plant height: 36 in.

Pods: 3.25 in.; double; slightly curved, light green; 7-8 peas.

Seeds: 2,240 per lb.

Approximate sieve size distribution at 95-100 Tenderometer:

1	—	2	—	3	—	4	—	5	—	6	—	7	—	8	—	Avg.
11%		18%		22%		27%		22%								3.31

See Foreword for explanation of data and terms

PEAS for canning, wrinkled-seeded



SURPASS

A leading variety in the early sweet group, sometimes called Resistant Surprise, developed by Asgrow to replace Surprise and Wisconsin Early Sweet. Plants indeterminate, but sturdy, vigorous, tolerant of high temperatures; wilt-resistant; single-podded, but prolific, setting good yields under a wide range of conditions. Small pods well filled with medium-sized peas of excellent quality, with attractive color, sweet flavor, and tender skins, well suited for a fancy grade pack.

Maturity: 60 days.

Heat units: 1,280.

Plant height: 28 in.

Pods: 2.65 in.; single, nearly straight, blunt; 6-8 medium-sized peas.

Seeds: 2,400 per lb.

Approximate sieve size distribution at 95-100 Tenderometer:

1	—	2	—	3	—	4	—	5	—	6	—	7	—	8	—	Avg.
6%		13%		16%		29%		32%		4%						3.80

See Foreword for explanation of data and terms

PEAS for freezing, wrinkled-seeded



DARK SKIN PERFECTION

The leading variety of late mid-season maturity for freezing, often referred to as Perfection Freezer. Plants wilt-resistant; determinate, vigorous, relatively heavy, and very productive, making a good tonnage of raw product under a wide range of conditions. Pods mostly double, containing 7-9 medium large dark green peas of acceptable quality for processing.

Maturity: 72 days.

Heat units: 1,620.

Plant height: 30 in.

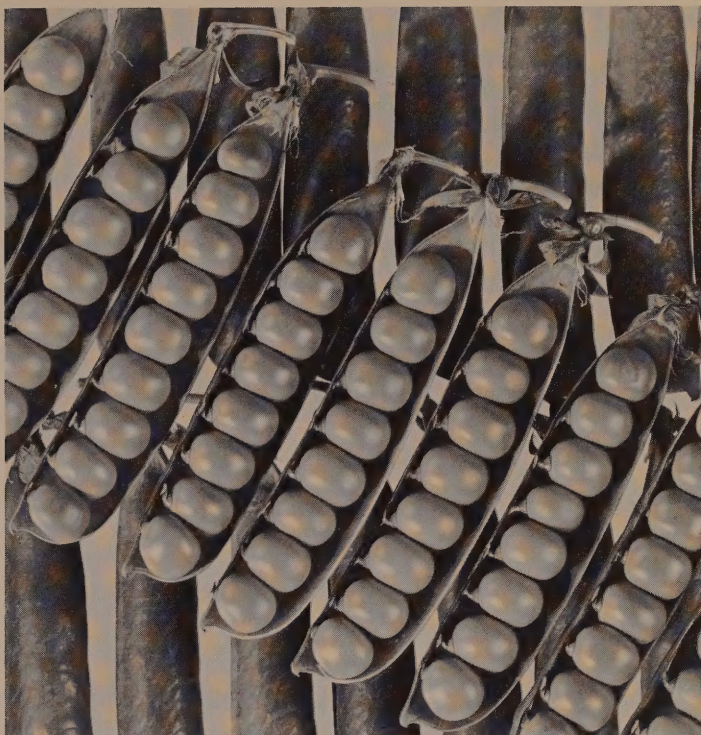
Pods: 3.25 in.; mostly double; slightly curved, blunt, dark green; 7-9 peas.

Seeds: 2,000 per lb.

Approximate sieve size distribution at 95-100 Tenderometer:

1	—	2	—	3	—	4	—	5	—	6	—	7	—	8	—	Avg.
		7%		15%		17%		38%		18%		5%				4.60

PEAS for freezing, wrinkled-seeded



FREEZER 37

An early, heavy-yielding, determinate-vined variety, developed by Asgrow to combine the plant type and yield of dark-skinned Perfection types with the maturity and superior quality of Thomas Laxton types. Plants wilt-resistant; vigorous, stocky, and very productive; largely double-podded, yielding a consistently heavy tonnage of raw product under a wide range of conditions. Pods well filled with medium large, dark green peas of good quality for processing.

Maturity: 62 days.

Heat units: 1,330.

Plant height: 30 in.

Pods: 3.5 in.; mostly double; straight, blunt; 7-9 peas.

Seeds: 1,520 per lb.

Approximate sieve size distribution at 95-100 Tenderometer:

1	—	2	—	3	—	4	—	5	—	6	—	7	—	8	—	Avg.
		6%		12%		21%		34%		14%		13%				4.77

PEAS for freezing, wrinkled-seeded

FREEZER 69

A new variety, developed by Asgrow to provide a high-yielding, early-maturing, determinate vined type for areas where Freezer 37 has not proven well adapted; wilt-resistant. By comparison, Freezer 69 is slightly taller in plant type, with approximately equal yields and quality, but with slightly smaller peas. In comparative trials, where Freezer 37 has indicated a significant degree of skin-splitting, Freezer 69 has been almost entirely free of that condition.

Maturity: 62 days.

Heat units: 1,330.

Plant height: 32 in.

Pods: 3 in.; mostly double; slightly curved, blunt; 5-7 peas.

Seeds: 1,920 per lb.

Approximate sieve size distribution at 95-100 Tenderometer:

1	—	2	—	3	—	4	—	5	—	6	—	7	—	8	—	Avg.
6%		13%		26%		31%		23%		1%						3.55

See Foreword for explanation of data and terms



asgrow

PEAS for freezing, wrinkled-seeded



FREEZER 626

A widely adapted, mid-season variety, developed by Asgrow to provide a high-yielding, dark-skinned Perfection type with a high percentage of peas in the smaller sizes. Vines wilt-resistant; vigorous, productive, yielding a good tonnage of raw product under a wide range of conditions. The peas are dark green, and of excellent color, texture, and flavor after processing.

Maturity: 69 days.

Heat units: 1,520.

Plant height: 30 in.

Pods: 3 in.; mostly double; slightly curved, blunt; 7-9 peas.

Seeds: 2,000 per lb.

Approximate sieve size distribution at 95-100 Tenderometer:

1	—	2	—	3	—	4	—	5	—	6	—	7	—	8	—	Avg.
7%		11%		18%		25%		35%		4%						3.82

PEAS for freezing, wrinkled-seeded

FREEZER 640

A determinate-vined midseason variety developed by Asgrow to combine the growing habit and yielding ability of dark skinned Perfection types with the high quality and earlier maturity of Shasta. Plants stocky, vigorous, wilt-resistant; producing excellent yields under a wide range of conditions. Pods medium long, straight, blunt, well-filled with 6-8 medium-large, dark green peas of excellent color, flavor and texture after processing.

Maturity: 67 days.

Heat units: 1,475.

Plant height: 29 in.

Pods: 3.37 in.; mostly double, straight, blunt; 6-8 peas.

Seeds: 2,000 per lb.

Approximate sieve size distribution at 95-100 Tenderometer:

1	—	2	—	3	—	4	—	5	—	6	—	7	—	8	—	Avg.
		2%		8%		15%		40%		27%		6%		2%		5.08

See Foreword for explanation of data and terms



PEAS for freezing, wrinkled-seeded



LAXTON 8

A vigorous, productive, wilt-resistant variety developed to replace Thomas Laxton, which it generally resembles in plant and pod type, and berry quality, maturing about one day later. Vines indeterminate, deep green, holding up well in the field. Pods single, containing 7-8 large, dark green peas of excellent quality for processing.

Maturity: 62 days

Heat units: 1,330.

Plant height: 38 in.

Pod: 3.50 in.; single, straight, blunt; 7-8 peas.

Seeds: 1,600 per lb.

Approximate sieve size distribution at 95-100 Tenderometer:

1	—	2	—	3	—	4	—	5	—	6	—	7	—	8	—	Avg.
		2%		6%		10%		32%		31%		18%		1%		5.42

See Foreword for explanation of data and terms

PEAS for freezing, wrinkled-seeded



PERFECTED FREEZER 60

A new variety, developed at the Geneva, N.Y. A.E.S., generally of Dark Skin Perfection type and maturity, but resistant to pea mosaic and enation mosaic as well as fusarium wilt. Vines determinate, largely double-podded, vigorous. In trials at the Asgrow Research Center, Perfected Freezer 60 has been entirely satisfactory for yields and of excellent quality for processing.

Maturity: 72 days.

Heat units: 1,620.

Plant height: 30 in.

Pods: 3.25 in.; slightly curved, blunt, dark green; 7-9 dark green, medium-sized peas of excellent quality.

Seeds: 1,800 per lb.

Approximate sieve size distribution at 95-100 Tenderometer:

1	—	2	—	3	—	4	—	5	—	6	—	7	—	8	—	Avg.
		7%		15%		17%		38%		18%		5%				4.60

See Foreword for explanation of data and terms

PEAS for freezing, wrinkled-seeded

PLUPERFECT

A widely adapted variety, developed by Asgrow, comparable to Dark Skin Perfection in plant type and yield potential, but of early-midseason maturity and of somewhat better quality. Plants determinate, stocky, mostly double-podded and consistently high yielding, both in the Pacific Northwest and in Eastern Seaboard areas. Peas dark green, of satisfactory flavor and texture, averaging slightly smaller than Dark Skin Perfection in sieve size distribution.

Maturity: 66 days.

Heat units: 1,440.

Plant height: 30 in.

Pods: 3.25 in.; straight, blunt, mostly double; 7-9 peas, medium-large, dark green.

Seeds: 2,000 per lb.

Approximate sieve size distribution at 95-100 Tenderometer:

1	—	2	—	3	—	4	—	5	—	6	—	7	—	8	—	Avg.
		6%		16%		35%		38%		5%						4.20

See Foreword for explanation of data and terms



asgrow

PEAS for freezing, wrinkled-seeded

WYOLA

A widely adapted, high-yielding variety, developed by Asgrow to provide a dark-skinned Perfection type of midseason maturity with a high percentage of peas in the smaller sizes. Vines wilt-resistant, vigorous, productive, yielding of good tonnage of raw product under a wide range of conditions. The peas are dark green, and of excellent color, texture, and flavor after processing.

Maturity: 69 days.

Heat units: 1,520.

Plant height: 30 in.

Pods: 3 in.; mostly double; slightly curved, blunt; 7-9 peas.

Seeds: 2,150 per lb.

Approximate sieve size distribution at 95-100 Tenderometer:

1	—	2	—	3	—	4	—	5	—	6	—	7	—	8	—	Avg.
7%		11%		18%		25%		35%		4%						3.82

See Foreword for explanation of data and terms

